



Tested By: K. Mansfield

Temperature: +25° C

Date: 10/24/2023

Drawing No: 27632862

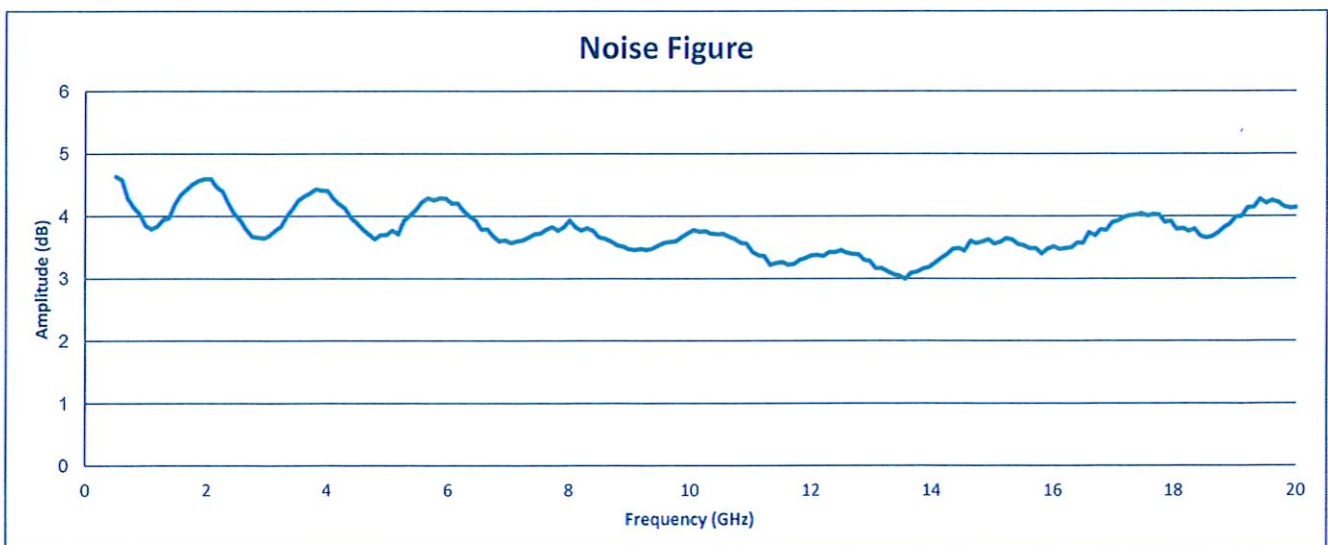
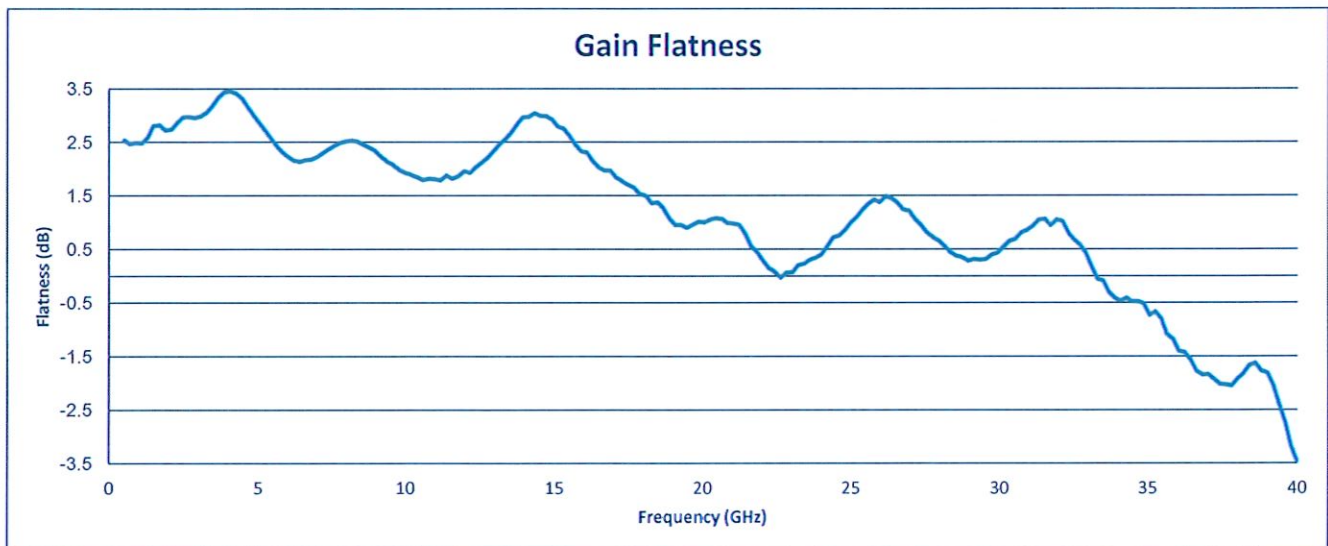
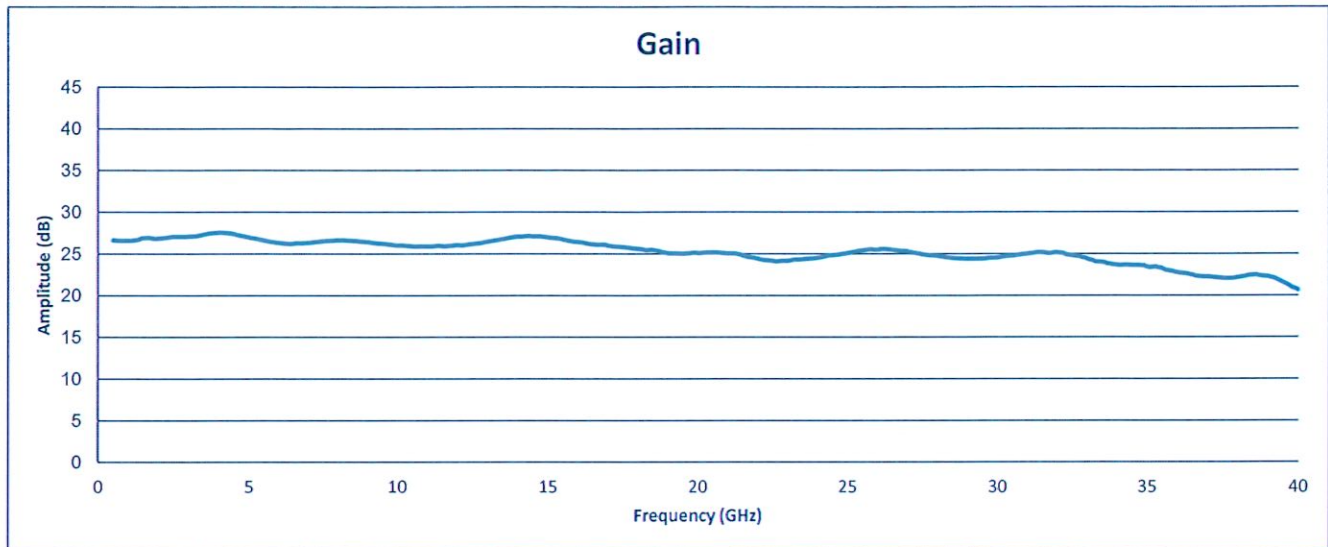
REV: A1

| TEST<br>ITEM NO. | PARAMETERS              | SPECIFIED VALUE                                       | Test Results                                                | QA<br>QC   |
|------------------|-------------------------|-------------------------------------------------------|-------------------------------------------------------------|------------|
| 1                | Frequency Range:        | 0.5 GHz - 40 GHz                                      | 0.5 GHz - 40 GHz                                            | PMI<br>QA2 |
| 2                | Gain:                   | 30 dB Typ.                                            | +27.6 dB Max.<br>+20.7 dB Min.<br>See Plot                  |            |
| 3                | Gain Flatness:          | ±2.5 dB Typ.                                          | ±3.46 dB<br>See Plot                                        |            |
| 4                | Noise Figure:           | 5.5 dB Typ.<br>Up to 20 GHz                           | 4.6 dB<br>See Plot                                          |            |
| 5                | OP1dB:                  | +19 dBm Typ. (0.5-18 GHz)<br>+17 dBm Typ. (18-40 GHz) | +19.2 dBm (0.5-18 GHz)<br>+15.4 dBm (18-40 GHz)<br>See Plot |            |
| 6                | Psat:                   | +23 dBm Typ. (0.5-18 GHz)<br>+20 dBm Typ. (18-40 GHz) | +22.6 dBm (0.5-18 GHz)<br>+20.3 dBm (18-40 GHz)<br>See Plot |            |
| 7                | Input Power Handling:   | +17 dBm CW Max.                                       | See Typical Characteristics                                 |            |
| 8                | VSWR:<br>(Input/Output) | 2.0:1<br>2.5:1 Max.                                   | 2.11:1 In<br>2.28:1 Out<br>See Plot                         |            |
| 9                | DC Supply:              | +12 to +15 VDC<br>@ 350 mA Nominal                    | +12 VDC<br>@ 275 mA                                         | PMI<br>QA2 |

PMI  
QA2

Date: 10/25/2023

# SUMMARY TEST DATA ON PEC-30-500M40G-20-12-292FF



**SUMMARY TEST DATA  
ON  
PEC-30-500M40G-20-12-292FF**

